

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
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1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE 09/27/82		3. REPORT TYPE AND DATES COVERED
4. TITLE AND SUBTITLE PROPERTY INVENTORY AND CONDITION SURVEY FOR THE GROUP IV UTILITY SYSTEMS PROPERTY, AND GROUP II CHEMICAL PLANT PROPERTY WITHIN THE SHELL OIL COMPANY LEASEHOLD AREA AT U.S. ARMY RMA			5. FUNDING NUMBERS	
6. AUTHOR(S)				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)  HARLAND BARTHOLOMEW & ASSOCIATES ST. LOUIS, MO			8. PERFORMING ORGANIZATION REPORT NUMBER  87047R01	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)  COMMONWEALTH ASSOCIATES			10. SPONSORING/MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION/AVAILABILITY STATEMENT  APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words)  THIS DOCUMENT CONSISTS OF 7 VOLUMES, VOLUME I: BUILDING NO. 321 - CENTRAL HEATING PLANT. VOLUME 2: BUILDING NO 325 - ELECTRIC POWER PLAN. VOLUME 3: REMAINING GROUP IV PROPERTIES AND UTILITIES SYSTEMS. VOLUME 4: BUILDING NUMBERS 311, 333, 335, AND 728. VOLUME 5: GROUP IV UTILITY SYSTEMS PROPERTY, WATER DISTRIBUTION SYSTEM. VOLUME 6: SHELL CONSTRUCTED BUILDINGS, BUILDING NUMBERS. 316A, 459, 515A, 724, AND 727. VOLUME 7: GROUP I CHEMICAL PLANT PROPERTY, BUILDING ON SHELL LEASHOLD.				
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 2em; font-weight: bold;">19950309 065</div> <div style="font-size: 0.8em; font-weight: bold;">DTIC QUALITY INSPECTED 4</div> </div>				
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17. SECURITY CLASSIFICATION OF REPORT  UNCLASSIFIED	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT	

Rocky Mountain Arsenal  
Information Center  
Commerce City, Colorado

**FILE COPY**

Property Inventory and Survey Report  
for selected  
Shell Constructed Buildings  
within the  
Shell Oil Company Leasehold Area  
at  
US Army Rocky Mountain Arsenal  
Commerce City, CO

**VOLUME SIX**  
**SHELL CONSTRUCTED BUILDINGS**  
Building Numbers 316A, 459, 515A, 534A, 534B, 724 and 727

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Unannounced	<input type="checkbox"/>
Justification	
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prepared by  
**Harland Bartholomew & Associates, Inc.**  
St. Louis, MO  
and  
**Gilbert/Commonwealth**  
Commonwealth Associates, Inc.

28 December 1982

VOLUME SIX

SHELL CONSTRUCTED BUILDINGS

(Building Numbers 316A, 459, 515A, 534A, 534B, 724 and 727)

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## **INDEX OF REPORTS**

### **PROPERTY INVENTORY AND CONDITION SURVEY REPORTS**

VOLUME ONE: Group IV Utility Systems Property  
(Building No. 321)

VOLUME TWO: Group IV Utility Systems Property  
(Building No. 325)

VOLUME THREE: Group IV Utility Systems Property  
(Remaining Group IV Properties and  
Utility Systems)

VOLUME FOUR: Group II chemical Plant Property  
(Building Numbers 311, 333, 335,  
336, 356 and 728)

VOLUME FIVE: Group IV Utility Systems Property  
(Water Distribution System)

### **PROPERTY INVENTORY AND SURVEY REPORTS**

VOLUME SIX: Shell Constructed Buildings  
(Building Numbers 316A, 459, 515A  
534A, 534B, 724 and 727)

VOLUME SEVEN: Group I Chemical Plant Property  
(Buildings on Shell Leasehold)

## FOREWORD

This PROPERTY INVENTORY AND SURVEY REPORT has been prepared by Harland Bartholomew & Associates, Inc. under the direction of the US Army Corps of Engineers, Omaha District, and in accordance with the provisions contained in Contract No. DACA 45-82-C-0035, Modification No. P00001. Portions of this contract outlining the specific responsibilities of the Contractor in regard to the inventory surveys of the Group I Chemical Plant Property (Buildings on the Shell Leasehold), and those buildings designated as Shell Constructed Buildings are as follows:

### 4. WORK TO BE ACCOMPLISHED BY THE CONTRACTOR

a. The Contracting Officer will provide the contractor the original, or a copy of the lease agreement, and all subsequent supplement agreements and exhibits. The contractor will be required to thoroughly familiarize himself with all provisions of the lease agreements. Particular attention shall be paid to Supplement Agreement No. 5 with Exhibits G and H-1 through H-14 and Supplement Agreement No. 22.

b. The following is extracted from the above mentioned contract:

c. There are approximately 94 buildings and structures in the Shell Leasehold, including the Group II and IV buildings and structures identified above; the remaining buildings are identified in Inclosure 2; however, the contractor will be responsible to examine all buildings in the Shell Leasehold. The contractor will be required to update the real property inventory cards in the files of the Facilities Engineer at Rocky Mountain Arsenal.

The following items will be accomplished:

- (1) Dimension and configuration of each building noting particularly where obvious changes have been made as compared to the records on file.
- (2) Types of construction material. In conjunction with this work, the contractor shall annotate columns 14 (Recommendations on Usage) and 78 on a copy of the Inventory of Military Property which will be provided by the Arsenal.
- (3) Identify obviously deteriorated buildings and photographs.
- (4) Classify building equipment as either installed building equipment (DA Form 2877), or equipment in place (DA Form 661) in accordance with AR 420-17 and AR 735-72.
- (5) Update Building Information Schedules (BIS) in accordance with AR 405-45, Chapter 2.

d. Through the course of years, Shell Oil Corp. has constructed some buildings and structures that do not appear on the Basic Information Maps, lease agreements,

## FOREWORD

(Continued)

or existing real property record cards. These buildings will be a point of negotiation between Government representatives and Shell Oil Corp. The contractor can utilize the black and white aerial photos, as provided in the basic contract, to assist with the preparation of this information. There are approximately five buildings or structures that are in this category. An inventory, DA Form 2877, and DA Form 661 will be completed on these buildings.

e. In addition to updating the Facilities Engineer's files, the contractor shall prepare a report on all buildings in the Shell Leasehold, except those buildings or structures identified as Group II or IV properties. There are approximately 60 buildings or structures involved in this report and they are tentatively identified in Inclosure 2. As a minimum, this report shall include:

- (1) Building number, designation, and a narrative description of the building inventoried.
- (2) Date of the inventory, names of the survey team, and the survey teams observed opinion of the condition of the buildings.
- (3) One black and white photograph of the building or structure showing at least two sides.
- (4) Copy of the completed DA Form 2877.
- (5) Copy of the completed DA Form 661.

f. From 1" = 400' scale, Basic Information Maps and larger scale Mechanical, Electrical, etc., building detail drawings, mark up in red pen changes in utilities, building configurations and interior deviations from Basic Information Maps. These updated worksheets shall be provided to the Arsenal. Basic Information Maps and facilities for reproducing these maps will be provided by the Arsenal Staff. Mark up of the Basic Information Maps shall be accomplished with sufficient accuracy and clarity to permit future updating of the maps by the Government.

## 6. SUBMITTALS

c. The contractor shall submit all marked-up Basic Information Maps, updated Real Property Card Worksheets and Equipment Schedule Worksheets to the Facilities Engineer as they are completed in lieu of retaining these until project completion.

d. Fifteen copies of the report, as required by paragraph 4d above

# FOREWORD

(Continued)

(buildings constructed by Shell Oil Corp.) shall be submitted to the Contracting Officer within 90 days after receipt of the Notice to Proceed.

e. Fifteen copies of the report, as required by paragraph 4e above (non-group II or -group IV properties) shall be submitted to the Contracting Officer within 90 days after receipt of the Notice to Proceed.

## INCLOSURE 2

### GROUP I CHEMICAL PLANT PROPERTY BUILDINGS ON SHELL LEASEHOLD

<u>BUILDING/ FACILITY NO.</u>	<u>DESIGNATION</u>	<u>SIZE</u>
251	General Warehouse	22,692 S.F.
254	General Purpose Warehouse	20,837 S.F.
T-316	Disp. w/beds	2,745 S.F.
T-317	Motor Repair Shop	11,037 S.F.
347	General Purpose Warehouse	26,027 S.F.
T-379	Water Treatment Plant Clor.Sta.#2	84 S.F.
387	Water Pump NP#3	
T-422	Mfg/Fill Buildings	21,414 S.F.
424	Other HS Scrubber	308 S.F.
425	Other Caustic Make-up Tank	291 S.F.
426	Other Disposal Reactor	8,245 Gal.
427	Other Decontamination Pit	324 Cubic Ft.
432	Other Open Storage Pad	8,700 S.F.
434	Gas Holder Structure	300,000 Cubic Ft.
435	Ethylene Gas Holder and other	300,000 Cubic Ft.
T-451	General Purpose Warehouse	11,037 S.F.
461	Pumphouse	448 S.F.
463A	Alcohol Storage Tank	196,000 Gal.
463B	Alcohol Storage Tank	196,000 Gal.
463C	Alcohol Storage Tank	196,000 Gal.
463E	Alcohol Storage Tank	196,000 Gal.
463F	Alcohol Storage Tank	196,000 Gal.
463G	Alcohol Storage Tank	196,000 Gal.
463H	Alcohol Storage Tank	196,000 Gal.
471	T.C. Reactor Building	7,856 S.F.
T-472	T.C. Refrigeration	1,144 S.F.
T-473	T.C. Drum Loading Building	1,520 S.F.
475	R.R. Car Warmer	971 S.F.
511	M-1 Manuf. & Other	21,527 S.F.
T-511A	Tank Room	3,429 S.F.
512	H.D. Filling Building	4,156 S.F.
514	M-1 Manufacturing	21,527 S.F.

# FOREWORD

(Continued)

<u>BUILDING/ FACILITY NO.</u>	<u>DESIGNATION</u>	<u>SIZE</u>
514A	Doivtherm Building	3,889 S.F.
515	M-1 Distillation	10,045 S.F.
516	M-1 Distillation	10,045 S.F.
517	Adm - Lab & Other	8,751 S.F.
521	Acetylene Compressor House	1,790 S.F.
523C	A.T. Dry Storage Silo	363 S.F.
523D	A.T. Dry Storage Silo	150 Tons
523E	A.T. Dry Storage Silo	150 Tons
523F	A.T. Dry Storage Silo	150 Tons
523G	A.T. Dry Storage Silo	150 Tons
525	H.D. Laboratory	1,790 S.F.
528	HD-W Residue Burner	2,024 S.F.
529	NaOH Make-up (Caustic)	853 S.F.
T-531	General Purpose Warehouse	11,037 S.F.
T-532	General Purpose Warehouse	11,037 S.F.
533	Inflammable Storehouse	128 S.F.
534	Pumphouse	600 S.F.
535	Small Brick Building	
550A	Valve Pit - Lift Station	
729	General Purpose Warehouse	22,775 S.F.
474		
476		
735	Foamite Storage	156 S.F.
746	Diesel Unloading Racks	

In accordance with the provisions contained in a letter from the US Army Corps of Engineers dated 19 October 1982, the following structures were added to the above Inclosure 2, Group I Chemical Plant Property buildings:

<u>BUILDING/ FACILITY NO.</u>	<u>DESIGNATION</u>	<u>SIZE</u>
411A	Steam Meter House	70 S.F.
411B	Steam Meter House	68 S.F.
462A	Heating Fuel Oil Storage	417,000 Gal.

Discussions with representatives of Shell Oil Company and a thorough review of current maps, aerial photographs and past records indicated that a total of approximately 150 buildings, facilities and other structures have been constructed by Shell Oil Company. In accordance with the above Corps of Engineers' letter of 19 October 1982 and subsequent discussions with their Contracting Officer representative, the following seven (7) Shell Constructed Buildings were selected to be included in the Real Property Inventory report.



## FOREWORD

(Continued)

<u>SHELL CONSTRUCTED BUILDINGS</u>		
<u>BUILDINGS/ FACILITY NO.</u>	<u>DESIGNATION</u>	<u>SIZE</u>
316A	Change House	5,210 S.F.
459	Acetylene Generator Building	3,869 S.F.
515A	Nudrin Storage	2,892 S.F.
534A	General Purpose Warehouse	2,653 S.F.
534B	Planavan Manufacturing Building	4,169 S.F.
724	Incinerator/Precipitator Building	1,717 S.F.
727	Facilities Engineer Maint. Shop	4,169 S.F.

Personnel from Harland Bartholomew & Associates, Inc. participating in the field evaluation, research, and report preparation aspects of the property inventory surveys are identified in the section entitled GENERAL, of each Building/Facility report. Personnel from Shell Oil Company and the US Army Rocky Mountain Arsenal offering technical assistance to the inventory teams are also acknowledged in this section. The Contractor is extremely grateful for the degree of cooperation and valuable assistance offered by representatives of Shell Oil Company and the Arsenal to insure the accuracy and timely completion of these reports.

For assistance in the field evaluation, research and report preparation for the Shell Constructed Buildings and the Group I Chemical Plant Property (Buildings on Shell Leasehold), the Contractor has engaged the firm of Gilbert/Commonwealth, Commonwealth Associates, Inc. under a subcontract agreement. Personnel from Commonwealth Associates, Inc. participating in this portion of the property surveys are identified in the section entitled GENERAL, of the respective Building/Facility reports.

The overall field investigations and surveys for the Group I Chemical Plant Property (Buildings on Shell Leasehold), were initiated on 13 September 1982 and completed on 29 October 1982. The actual date (or dates) that the physical survey was accomplished is entered in the section entitled GENERAL, of the individual Building/Facility reports. Field surveys of the Shell Constructed Buildings commenced on 15 October 1982 and were completed on 29 October 1982. The existence of the buildings, facilities and equipment outlined in this report and accompanying reports of the Shell Constructed and Group I Chemical Plant Property (Buildings on Shell Leasehold) are considered to reflect the information obtained by the field evaluation teams as of the date indicated on the individual survey reports. Additions or removals of property after 29 October 1982 are not contained herein.



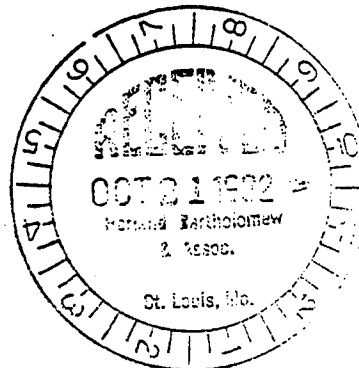
REPLY TO  
ATTENTION OF:

DEPARTMENT OF THE ARMY  
OMAHA DISTRICT CORPS OF ENGINEERS  
6014 U.S. POST OFFICE AND COURTHOUSE  
OMAHA NEBRASKA 68102

MROED-M (DACA 45-82-C-0035)

19 October 1982

Harland Bartholomew and Associates, Inc.  
7745 Carondelet Avenue  
St. Louis, MO 63105



Gentlemen:

Reference your Contract No. DACA 45-82-C-0035, concerning the Real Property Inventory project at Rocky Mountain Arsenal, Commerce City, Colorado.

The following items of clarification are provided in accordance with the conference held with Mr. Dappen on 6 October 1982.

a. Five of the major buildings constructed by Shell Oil Co., will be accomplished in accordance with paragraph 4d. Page 5 of the 19 August 1982 scope of service. The remaining structures erected by Shell will be listed in this section of your report only by building number. This list is inclosed for your information.

b. There are three structures that are listed in Group I by Supplemental Agreement No. 5 of the original Shell lease. These structures were not listed on the 19 August 1982 scope of service, but should have been. Add these structures to the list and accomplish the necessary inventory as per paragraph 4c. Page 4 of the scope of services.

c. There are three structures in the South Plants Area that should be added to the basic inventory list. These structures are 556, 313A, and 743A. You are to complete the inventory on these structures in accordance with the basic instructions dated 7 June 1982.

This work is considered to be within the terms of your contract. Please advise this office if you disagree.

Sincerely,

L. E. PLUGGE  
Acting Chief, Military Branch  
Authorized Representative  
of the Contracting Officer

1 Incl  
As stated

ALL IN SOUTH PLANTS AREA

Buildings Erected by Shell:

1.	316A	25.	515A
2.	389	26.	516B
3.	414	27.	518A
4.	424A	28.	519
5.	424C	29.	519A
6.	459	30.	520
7.	459A	31.	521A
8.	459B	32.	521B
9.	471B	33.	521C
10.	471C	34.	525A
11.	472A	35.	534A
12.	502	36.	534B
13.	503	37.	534C
14.	504	38.	534D
15.	504A	39.	553 Vault
16.	505	40.	557
17.	506	41.	561
18.	507	42.	561A
19.	508	43.	571
20.	509	44.	571A
21.	510	45.	571B
22.	514C	46.	724
23.	514D	47.	727
24.	514E		

ALL LOCATED IN SOUTH PLANTS AREA

TANKS - 89 TOTAL

Tanks Erected by Shell:

1. T-14	31. T-1133	61. T-1296	
2. T-15	32. T-1135	62. T-1307	
3. T-16	33. T-1139	63. V-1313	
4. T-65	34. T-1140	64. T-1322	
5. T-66	35. T-1146	65. T-1323	
6. T-75	36. T-1147	66. V-1340	
7. T-76	37. T-1148	67. T-1377	
8. T-77	38. T-1149	68. T-1446	
9. T-78	39. T-1150	69. T-1463	
10. T-79	40. T-1151	70. T-1500	
11. T-80	41. T-1171	71. T-1501	There are
12. T-81	42. T-1173	72. T-1502	Bldgs. No.
13. T-82	43. T-1178	73. T-1503	in North
14. T-133	44. T-1202	74. T-1504	Plants Area
15. T-134	45. T-1203	75. T-1505	to match
16. T-135	46. T-1204	76. T-1506	these Tank
17. T-160	47. T-1216	77. T-1507	Nos.
18. T-161	48. T-1219	78. T-1508	
19. T-165	49. T-1220	79. T-1509	
20. T-178	50. T-1222	80. T-1510	
21. T-290	51. V-1230	81. T-1511	
22. T-307	52. T-1246	82. T-1512	
23. T-316	53. T-1247	83. T-1513	
24. 464A	54. T-1254A	84. T-1514	
25. 464B	55. T-1254B	85. T-1515	
26. T-1010	56. V-1264	86. T-1516	
27. T-1127	57. V-1265	87. T-1569	
28. T-1128	58. T-1267	88. T-1570	
29. T-1129	59. T-1272	89. T-1973	
30. T-1132	60. T-1273		

BUILDINGS OR FACILITIES LOCATED IN SOUTH PLANTS AREA  
WITHOUT BUILDING NUMBERS

Erected by Shell Oil Company:

1. Brick Structure - Roof collapsed - equipment removed east of Bldg. 361.
2. Valve Box - East of "D" Street near 434.
3. Metal Stg. Building - Near 3-fuel oil crackers.
4. Metal Stg. Building - North of 551 water tower.
5. Tank - East of Building 724.
6. Metal Building - At 557 stg. yard.
7. Metal Building - At 557 stg. yard.
8. Metal Building - At 557 stg. yard.
9. Metal Building - South of 474 igloo.
10. Metal Building - South of 474 igloo.
11. Metal Building - Near 733 abc NE of 732.
12. Metal Building - Near 733 abc NE of 732.
13. Pit with Wood Roof - Near 745c.
14. Shed with Tank - East of Bldg. 347.
15. Pumphouse - North of Bldg. 464B.
16. Building - SE storage yard 557.
17. Oil Rig Tower - West of water tower.
18. Chemical Storage Tanks - South of Building 427.
19. Building - E of Bldg. 527 approx. 14'x20'.

## CRITERIA

Pursuant to the requirements contained in Article 4, Paragraph d and e (work to be accomplished by contractor), this PROPERTY INVENTORY and accompanying volumes has been prepared in a format outlined in the Contract Requirements for both Shell Constructed Buildings and Group I Chemical Plant Property (Buildings on Shell Leasehold). Some license was taken by the Contractor to standardize the individual report format to include the following:

GENERAL  
PHOTOGRAPH/NARRATIVE REPORT  
DA FORM 2877  
DA FORM 661

Photographs of the various buildings and facilities were taken, to the extent practicable, to show at least two sides of the structure or building.

During the progress of the inventory, the survey team observed the general condition of the buildings and facilities and noted the conditions at the time of the inventory. The terms used in denoting the present general condition of the buildings and facilities and such major features as mechanical and electrical systems are as follows:

### VERY GOOD CONDITION

A reasonably high order of perfection when compared to similar types of installations or structures of the same age.

### GOOD CONDITION

Better than average condition when compared to similar types of installation or structures of the same age.

### FAIR CONDITION

Average or typical of the condition of similar types of installation or structures of the same age.

### POOR CONDITION

Below average condition when compared to similar types of installations or structures of the same age.

**WELSH**

**BUILDING NO. 534A**  
**GENERAL PURPOSE**  
**WAREHOUSE**

**BUILDING NO. 724  
INCINERATOR / PRECIPITATOR  
BUILDING**

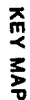
**BUILDING NO. 727**  
**FACILITIES ENGINEER**  
**MAINTENANCE SHOP**

**BUILDING NO. 316**

**BUILDING NO. 615**  
**NUDRIN STORAGE**

**BUILDING NO. 459**  
**ACETYLENE GENERATOR**  
**BUILDING**

**STREET**



**SHELL CONSTRUCTED  
BUILDINGS / FACILITIES**

prepared by  
Harland Bartholomew & Associates, Inc.  
St. Louis, MO  
and  
Gilbert/Commonwealth  
Commonwealth Associates, Inc.

AERIAL PHOTOGRAPHY BY  
COLORADO AERIAL PHOTO SERVICE  
DENVER CO  
DATE OF FLIGHT 16 AUGUST 1982

APPROXIMATE SCALE 1"=486'



BUILDING 316A

CHANGE HOUSE

GENERAL

Date of Property Inventory and Building Condition Survey:

21 October 1982

Survey Personnel:

Dave Wiarda, A.I.A., Gilbert/Commonwealth

Ken Carpenter, Gilbert/Commonwealth

Jerry Hurt, Gilbert/Commonwealth

Technical Assistance:

Domenic Moschetti, Shell Oil Company

Photography:

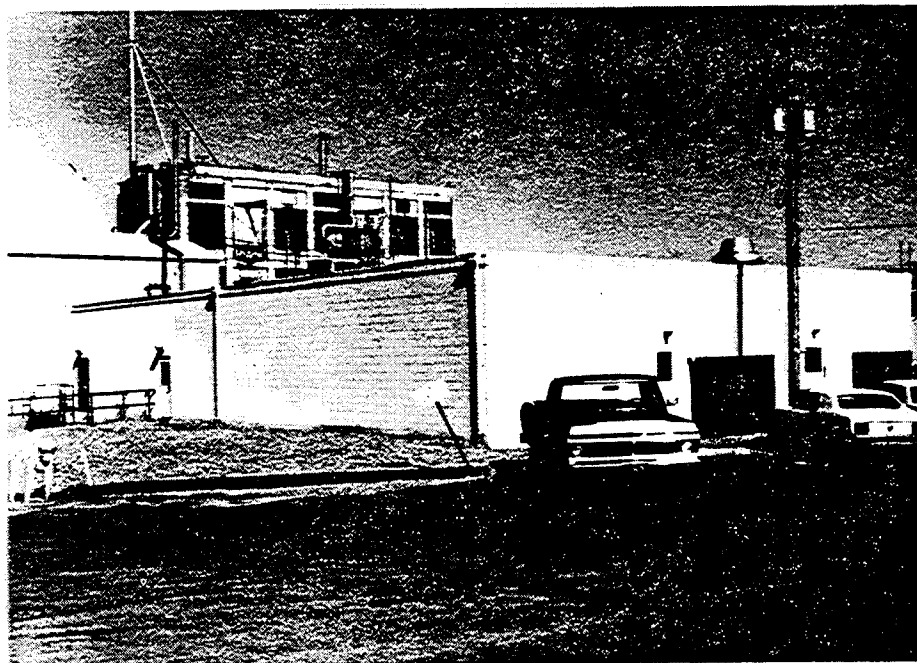
Gary R. Smith, Harland Bartholomew & Associates, Inc.

Category Code (AR-415-28):

73076



BUILDING 316A  
CHANGE HOUSE  
Category Code 73076



Building 316A is a single story 61'-4" x 85' x 14'-6" high concrete block structure with a concrete floor and foundation. The flat wood frame roof is a built-up roof with gravel. The interior of the structure is partitioned into two large locker areas, a shower area, toilet facilities and a clothing issue area. The floors are vinyl tile covered, suspended acoustical tile has been used throughout and the shower/drying areas are ceramic tile. This building is in active use. This facility is a rather new change house and the mechanical systems and utility piping are in very good condition and are operating. The drainage from the "Safety Room" discharges into a chemical waste holding tank complete with pumping equipment. The remainder of the drainage from this building discharges into the sanitary sewer system. The facility is heated by a central air handling machine which also provides summer cooling through an evaporative cooler. The fire protection for the building is provided by a hose rack and hand extinguishers. The 440 volt 3 phase power from Substation 316A is routed through conduit below the building

BUILDING 316A  
CHANGE HOUSE  
Category Code 73076

floor to a 440 volt distribution panel and 220/440 volt transformer to feed 110/220 panelboard. A 220 volt essential service panel is fed via a small transformer from an automatic throw-over switch. Primary source of essential power is the normal building supply and stand-by power is from a remotely located diesel generator. All lighting in the building is fluorescent. The building is in very good condition. The estimated useful life of the building from October 1982, with minimal maintenance and no building use change, is 20 years.

1. FACILITY NO. 316A		2. DESIGNATION Change House		3. CATEGORY CODE 73076		4. DESIGNED CAPACITY 4917		5. TOTAL AREA 5210	
6. UNIT OF MEASURE SF			7. DRAWING NO. YE 10533			8. MAP NO. N/A		9. <input type="checkbox"/> LEASED <input checked="" type="checkbox"/> OWNED LEASE NO.	
10. AIR CONDITIONING				16. FIRE PROTECTION				18. TYPE OF CONSTRUCTION	
a. TYPE Evaporative				a. NUMBER 2				<input checked="" type="checkbox"/> PERM <input type="checkbox"/> SEMI-PERM <input type="checkbox"/> TEMP	
b. CAPACITY 6000 CFM				b. TYPE Exting./Hose Reel				19. BUILDING DIMENSIONS	
c. SQ YD AIR COND 579				17. MATERIALS				a. MAIN BLDG 61'-4" x 85'	
11. HEATING				a. FOUNDATION Concrete				b. OFFSETS None	
a. SOURCE Air Handling Unit				b. FLOOR Concrete/Tile				c. WINGS 5' x 20' Loading Dock	
b. FUEL Steam				c. WALLS Concrete Block				d. BASEMENT None	
12. HOT WATER FACILITIES				d. ROOF Built Up Roof/Gvl.				e. ATTIC None	
a. CAPACITY 100 Gal.				e. SURFACE N/A				20. TYPE OF CARD	
b. TEMPERATURE RISE 100°				f. BASE N/A				<input checked="" type="checkbox"/> BLDG <input type="checkbox"/> MISC STR	
13. NO. USABLE FLOORS 1			14. OTHER MEASUREMENTS N/A			<input type="checkbox"/> UTIL DIST SYS <input type="checkbox"/> RAILROAD			
						<input type="checkbox"/> LAND <input type="checkbox"/> SURFACED AREAS			
15. UTILITY CONNECTIONS						21. REMARKS Real Property Inventory October 1982 Value (Not Priced). Shell constructed building. For additional remarks, see back of page.			
	NUMBER	SIZE	CAPACITY						
a. WATER	1	4" Pot.							
b. SEWER	2	6" San	4" Chem						
c. ELECTRICITY	1	440v 3Ph	200 Amp.						
d. GAS									
e. STEAM	1	3"							
f. CONDENSATE	1	3/4"							

DA FORM 2877  
1 NOV 64

REPLACES DA FORMS 5-46, 5-47, 5-49, 5-50,  
5-51, AND 5-52, WHICH ARE OBSOLETE.

REAL PROPERTY RECORD  
(AR 735-27)

U.S. GOVERNMENT PRINTING OFFICE: 1965-655-141/219

1982 Real Property Inventory does not include establishing cost of building or equipment for this Shell leasehold property. Establishing cost is not in scope of 1982 inventory work.

17

# BUILDING 316A

## CHANGE HOUSE

### RECORD OF INSTALLED BUILDING EQUIPMENT

The following equipment was found during the 1982 inventory.

<u>Item</u>	<u>Quantity</u>	<u>Manufacturer</u>
Panelboard, 3 phase, 3 wire, 100A, 10 pos., 440V	1	Westinghouse
Transformer, 10 KVA, 240/480 - 120/240V	1	Jefferson Electric
Transfer Switch, Automatic 3 phase, 480V	1	Allen Bradley
Circuit Breaker, 3 phase, 440V	1	Allen Bradley
Transformer, 30 KVA 480-208/120V	1	Westinghouse
Panelboard, 3 phase, 4 wire 150A, Type EQ	1	ITE
Sump pit control panel and pump	1	
Exhaust Fan	4	Jenn-Air
Water fountain, wall hung	2	Halsey Taylor
Urinal	5	Kohler
Water Closet	5	Kohler
Wash Fountain, semi-circular	1	Bradley
Wash Fountain, circular	2	Bradley
Shower fixture	14	Symmons
Fire hose with cabinet	1	Elkhart Brass
Water heater, steam	1	
Pump, hot water recirculating	1	B & G

BUILDING 316A

CHANGE HOUSE  
(Continued)

<u>Item</u>	<u>Quantity</u>	<u>Manufacturer</u>
Pump, condensate	1	Hoffman
Air Handler	1	American Air Filter
Panelboard, 3 phase, 4 Wire, 225A, 36 pos., 120/208V	1	Westinghouse
Evaporative cooler, B-2133	1	McGraw Edison

# RECORD OF EQUIPMENT IN PLACE

For use of this form, see AR 735-26; the proponent agency is the Office of the Comptroller of the Army.

CARD No.

## BUILDING IDENTIFICATION SECTION

ACCOUNT WOK 5AA	BUILDING NO. #316A	DESIGNATION AND LOCATION Change House, Shell Leasehold (Shell Constructed)
STATION Rocky Mountain Arsenal Commerce City, Colorado		
STATION (If other than account)		

ITEM AND DESCRIPTION					INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)							
No (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT. (8)	BAL. (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)
1	Motor, 440V	5 HP	General Electric		10-82	Inv.	1	1				
2	Motor 240V 1Ø Type 1081 pool motor S/N 1104341427	1/2 HP	Franklin		10-82	Inv.	1	1				
3	Motor, 460V 3Ø Model TBFC Cat. No. 20 5114 TBFC KKN Shell No. 5140	5 HP	Westinghouse		10-82	Inv.	1	1				
4												
5												
6												
7												
8												
9												
10												
11												

BUILDING 459  
ACEYLENE PLANT BUILDING

GENERAL

Date of Property Inventory and Building Condition Survey:

25 October 1982

Survey Personnel:

Dave Wiarda, A.I.A., Gilbert/Commonwealth

John Adams, Gilbert/Commonwealth

Bob Zarate, Gilbert/Commonwealth

Technical Assistance:

Simon Zevin, Shell Oil Company

Photography:

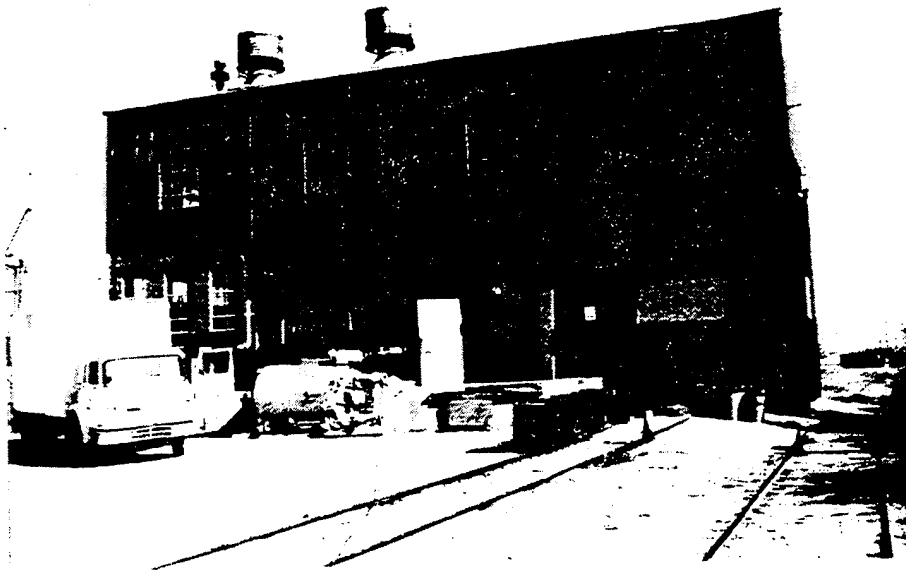
Gary R. Smith, Harland Bartholomew & Associates, Inc.

Category Code (AR415-28):

89011



BUILDING 459  
ACETYLENE PLANT BUILDING  
Category Code 89011



Building 459 is a three story 33' x 98'-6" x 31'-6" high structure with a concrete floor and foundation. The building is vacant and was formerly used to house an acetylene generator. The southmost portion of the structure is steel frame with corrugated asbestos panel siding and gable roof and the northern portion of the structure is concrete block and brick. The structure is partitioned into two areas at the north and there is a railroad track siding running east-west through the south end of the building. An 8' x 24' concrete loading dock is located on the west side of the building. The south end of the building is heated by a steam air handler. The north portion of this building is heated by finned tube radiators. There are no fire protection facilities for Building 459. Three small shelters supported the building's process functions. 480 volt power is provided overhead from Substation 461 south of the building. Power is distributed to motor control panel "PW" for motor/pump, blower and pump loads in adjacent small buildings. 120/240 volt power is provided from a dry-type transformer located near the motor control panel.

BUILDING 459  
ACETYLENE PLANT BUILDING  
Category Code 89011

The electrical system is in poor condition and no longer used. The building is in fair condition. The estimated useful life of the building from October 1982, with minimal maintenance and no building use change, is 5 years.

1. FACILITY NO. 459		2. DESIGNATION Acetyl Plt Bldg		3. CATEGORY CODE 89011		4. DESIGNED CAPACITY 3536		5. TOTAL AREA 3869			
6. UNIT OF MEASURE SF			7. DRAWING NO. YE 5185-4			8. MAP NO. N/A			9. <input type="checkbox"/> LEASED <input checked="" type="checkbox"/> OWNED LEASE NO.		
10. AIR CONDITIONING				16. FIRE PROTECTION				18. TYPE OF CONSTRUCTION			
a. TYPE None				a. NUMBER None				<input checked="" type="checkbox"/> PERM <input type="checkbox"/> SEMI-PERM <input type="checkbox"/> TEMP			
b. CAPACITY N/A				b. TYPE N/A				19. BUILDING DIMENSIONS			
c. SQ YD AIR COND N/A				17. MATERIALS				a. MAIN BLDG 33' x 98'-3"			
11. HEATING				a. FOUNDATION Concrete				b. OFFSETS None			
a. SOURCE See Item 21. Remarks				b. FLOOR Concrete				c. WINGS See Item 21. Remarks			
b. FUEL Steam				c. WALLS Brick				d. BASEMENT None			
12. HOT WATER FACILITIES				d. ROOF Built Up Roof/Gvl				e. ATTIC None			
a. CAPACITY None				e. SURFACE N/A				20. TYPE OF CARD			
b. TEMPERATURE RISE N/A				f. BASE N/A							
13. NO. USABLE FLOORS				14. OTHER MEASUREMENTS N/A				<input checked="" type="checkbox"/> BLDG <input type="checkbox"/> MISC STR			
								<input type="checkbox"/> UTIL DIST SYS <input type="checkbox"/> RAILROAD			
								<input type="checkbox"/> LAND <input type="checkbox"/> SURFACED AREAS			
15. UTILITY CONNECTIONS						21. REMARKS Real Property Inventory October 1982 Value (Not Priced). Shell constructed building. For additional remarks, see back of page.					
	NUMBER	SIZE	CAPACITY								
a. WATER	2	2 1/2" Proc	1-1/2 Pot.								
b. SEWER											
c. ELECTRICITY	1	480V	200A								
d. GAS											
e. STEAM	2	2" & 2 1/2"									
f. CONDENSATE	1	1/2"									

DA FORM 2877  
1 NOV 64

REPLACES DA FORMS 5-46, 5-47, 5-49, 5-50,  
5-51, AND 5-52, WHICH ARE OBSOLETE.

REAL PROPERTY RECORD  
(AR 735-27)

U.S. GOVERNMENT PRINTING OFFICE: 1960-565-141/210

21. Remarks

11.a. Air Handler, Finned Tube

15.c. 120/240 From Dry Tranformer in Elect Room.

19.c. Three "Out-Buildings."

\*459A 8'-4" x 9'-6" x 7'-0" High; Steel Frame w/ Corr. Mtl. Panel Siding and Roof.

\*459B 10'-0" x 19'-4" x 7'-2" High; Steel Frame w/ Corr. Mtl. Panel Siding and Roof w/ 12'-3" x 19'-4" Conc. Pad and Basin w/ Vert. Tank and Motor.

\*459C 12'-2" Square x 9'-0" High; Wood Frame w/ Interior and Exterior Wood Siding.

\*All Have Concrete Floors and Foundations.

21.a. 1982 Real Property Inventory does not include establishing cost of building or equipment for this Shell leasehold property. Establishing cost is not scope of 1982 inventory work.

22. COST DATA				
VOUCHER NO.	DATE COMPLETED	DESCRIPTION OF CHANGE	COST OF CHANGE	TOTAL COST
		Real Property Inventory		N.P.R.
		N.P.R. = No Previous Record		
	10/25/82	Real Property Inventory		
		The following installed building		
		equipment has been added. See Item 21.		
		Remarks. See form 661 worksheets.		
		Transformer, 15 kva		
		Heating & Ventillating Unit		
CATEGORY CODE	89011	DESIGNATION	Acetyl Plt Bldg.	FACILITY NO. 459

RECORD OF EQUIPMENT IN PLACE										CARD No. 1		
For use of this form, see AR 735-26; the proponent agency is the Office of the Comptroller of the Army.												
ACCOUNT		BUILDING IDENTIFICATION SECTION										
WOK 5AA		BUILDING NO. #459		DESIGNATION AND LOCATION								
STATION Rocky Mountain Arsenal Commerce City, Colorado		STATION (If other than account)		Acetylene Plant Bldg., Shell Leasehold (Shell Const)								
ITEM AND DESCRIPTION				INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)								
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT. (8)	BAL. (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)
1	Motor DM 147	1 HP	Westinghouse		10-82	Inv.	1	1				
2	Pump, Centrifugal P1136	1x1-1/2	Worthington		10-82	Inv.	1	1				
3	Tank T-1125		Unknown		10-82	Inv.	1	1				
4	Motor DM 1525	15 HP	U.S. Elect		10-82	Inv.	1	1				
5	Pump P1588	3x1-1/2 x 12	Worthington		10-82	Inv.	1	1				
6	Tank T-172	8,000 gal.	Julius Hyman Co.		10-82	Inv.	1	1				
7	Motor DM 1526	15 HP	Allis-Chalmers		10-82	Inv.	1	1				
8	Agitator M1037				10-82	Inv.	1	1				
9	Motor DM 3022	30 HP	Baldor		10-82	Inv.	1	1				
10	Tank/Pump HYD Fuel Oil 90J2		Vickers		10-82	Inv.	1	1				
11	Flame Arrestor S/N 9573		VAREC		10-82	Inv.	1	1				

# RECORD OF EQUIPMENT IN PLACE (AR 735-26)

CARD No. 1A

ACCOUNT		BUILDING IDENTIFICATION SECTION		DESIGNATION AND LOCATION		INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)										
WOK 5AA		BUILDING NO.	Acetylene Plant Bldg., Shell Leasehold (Shell Cons)													
STATION Rocky Mountain Arsenal Commerce City, Colorado		#459		STATION (If other than account)												
ITEM AND DESCRIPTION																
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT (8)	BAL (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL (13)				
12	Separator-Cyclone S1042		Shop Fab.		10-82	Inv.	1	1								
13	Cooler Water		Westinghouse		10-82	Inv.	1	1								
14	Seal Tank				10-82	Inv.	1	1								
15	Motor DM 1523	15 HP	Allis-Chalmers		10-82	Inv.	1	1								
16	Pump HYTOR P114	H4	Nash		10-82	Inv.	1	1								
17	Motor DM 1524	15 HP	Allis-Chalmers		10-82	Inv.	1	1								
18	Pump HYTOR		Nash		10-82	Inv.	1	1								
19	Heat Exchangers E1277 E1276	6'x6"	Shell, Chem.		10-82	Inv.	1	1								
20	Separator S1034	10"x6	Shell, Chem.		10-82	Inv.	1	1								
21	Motor DM 1113				10-82	Inv.	1	1								
22	Drive		Linkbelt		10-82	Inv.	1	1								

RECORD OF EQUIPMENT IN PLACE										CARD NO.		
For use of this form, see AR 735-26; the proponent agency is the Office of the Comptroller of the Army.										2		
ACCOUNT		BUILDING IDENTIFICATION SECTION										
WOK 5AA		BUILDING NO.		DESIGNATION AND LOCATION								
STATION Rocky Mountain Arsenal Commerce City, Colorado		#459		Acetylene Plant Bldg., Shell Leasehold (Shell Const)								
		STATION (If other than account)										
ITEM AND DESCRIPTION				INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)								
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT. (8)	BAL. (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)
1	Compressor P1131	3x1-3/4 x2	Ingersoll		10-82	Inv.	1	1				
2	Motor DM 146	1 HP	GE		10-82	Inv.	1	1				
3	Generator Acetylene R563A	6,000 CFH	Oxweld		10-82	Inv.	1	1				
4	Crane, Bridge SN 3632	6 Ton	Industrial Eqpt.		10-82	Inv.	1	1				
5												
6												
7												
8												
9												
10												
11												

BUILDING 515A

NUDRIN STORAGE

GENERAL

Date of Property Inventory and Building Condition Survey:

15 September 1982

Survey Personnel:

Dave Wiarda, A.I.A., Gilbert/Commonwealth

John Adams, Gilbert/Commonwealth

Bob Zarate, Gilbert/Commonwealth

Technical Assistance:

Domenic Moschetti, Shell Oil Company

Photography:

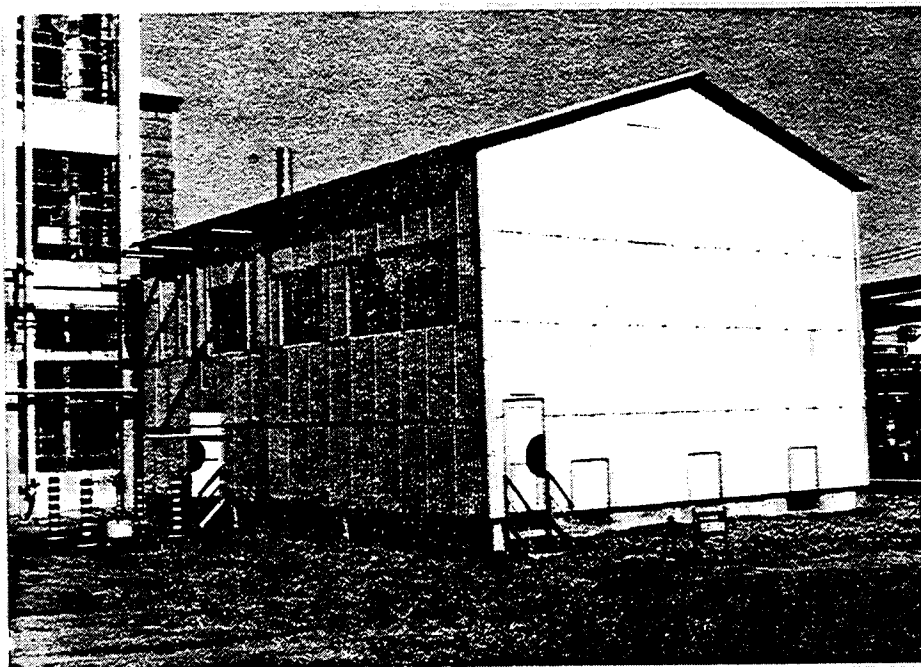
Gary R. Smith, Harland Bartholomew & Associates, Inc.

Category Code (AR415-28):

22690



BUILDING 515A  
NUDRIN STORAGE  
Category Code 22690



Building 515A is a two story 37'x 54' x 26' high steel frame structure with corrugated asbestos panel siding with a concrete floor and foundation and concrete apron wall. The building housed chemical pumping and storage facilities but is no longer in use or operational. The steel frame gable roof is covered with corrugated asbestos panel. There are two steel interior ladders for access to an upper mezzanine level which leads through a covered walkway to the east stair tower of Building 515. The building is heated by steam unit heaters and is ventilated by a centrifugal blower located north of Building 515A. Fire protection is provided by a deluge valve type system with sprinklers and a fire hose. Building utility connections are from adjacent Building 515. The building drainage system is fed into a chemical holding tank system. The 480 and 120/240 volt power is provided overhead in conduit from electrical vault "PL" located northwest of the building. Power is then distributed to motor/pump, blower and lighting loads. The electrical system is in good condition but is no longer in use. The building is in fair condition. The estimated useful life

BUILDING 515A  
NUDRIN STORAGE  
Category Code 22690

of the building from October 1982, with minimal maintenance and no building use change, is 10 years.

1. FACILITY NO. 515A		2. DESIGNATION Nudrin Storage		3. CATEGORY CODE 22690		4. DESIGNED CAPACITY 2635		5. TOTAL AREA 2892	
6. UNIT OF MEASURE SF			7. DRAWING NO. YE 5106-1			8. MAP NO. N/A		9. <input type="checkbox"/> LEASED <input checked="" type="checkbox"/> OWNED LEASE NO.	
10. AIR CONDITIONING				16. FIRE PROTECTION				18. TYPE OF CONSTRUCTION	
a. TYPE None				a. NUMBER 2				<input checked="" type="checkbox"/> PERM <input type="checkbox"/> SEMI-PERM <input type="checkbox"/> TEMP	
b. CAPACITY N/A				b. TYPE Deluge & Hose				19. BUILDING DIMENSIONS	
c. SQ YD AIR COND N/A				17. MATERIALS				a. MAIN BLDG 37'-2" x 54'	
11. HEATING				a. FOUNDATION Concrete				b. OFFSETS None	
a. SOURCE Unit Htr.				b. FLOOR Concrete				c. WINGS 5'-6" x 19'-6"	
b. FUEL Steam				c. WALLS Corr. Asb. Pnl.				d. BASEMENT None	
12. HOT WATER FACILITIES				d. ROOF Corr. Asb. Pnl.				e. ATTIC None	
a. CAPACITY None				e. SURFACE N/A				20. TYPE OF CARD <input checked="" type="checkbox"/> BLDG <input type="checkbox"/> MISC STR <input type="checkbox"/> UTIL DIST SYS <input type="checkbox"/> RAILROAD <input type="checkbox"/> LAND <input type="checkbox"/> SURFACED AREAS	
b. TEMPERATURE RISE N/A				f. BASE N/A					
13. NO. USABLE FLOORS 2				14. OTHER MEASUREMENTS N/A					
15. UTILITY CONNECTIONS				21. REMARKS Real Property Inventory October 1982 Value (Not Priced) Shell constructed building. For additional remarks, see back of page.					
	NUMBER	SIZE	CAPACITY						
a. WATER	1	1"							
b. SEWER	1	4"							
c. ELECTRICITY	2	480 240/120	See Remarks						
d. GAS									
e. STEAM	1	2 1/2"							
f. CONDENSATE	1	1 1/2"							

DA FORM 2877  
1 NOV 64

REPLACES DA FORMS 5-46, 5-47, 5-49, 5-50,  
5-51, AND 5-52, WHICH ARE OBSOLETE.

REAL PROPERTY RECORD  
(AR 735-27)

U.S. GOVERNMENT PRINTING OFFICE: 1960-000-141/510

## 21. Remarks

15.c. Fed From Electrical Vault & MCC "PL".

21.a. 1982 Real Property Inventory does not include establishing cost of building or equipment for this Shell leasehold property. Establishing cost is not in scope of 1982 inventory work.

22.		COST DATA		
VOUCHER NO.	DATE COMPLETED	DESCRIPTION OF CHANGE	COST OF CHANGE	TOTAL COST
		Real Property Inventory		N.P.R.
		N.P.R. = No Previous Record		
	10/21/82	Real Property Inventory		
		The following installed building equipment has been added: See Item 21.		
		Remarks. See Form 661 worksheets.		
		Unit Heater, Trane (3)		
		Unit Heater, Grinnell (1)		
CATEGORY CODE	22690	DESIGNATION	Nudrin Storage	FACILITY NO. 515A

RECORD OF EQUIPMENT IN PLACE										CARD NO. 1		
For use of this form, see AR 735-26; the proponent agency is the Office of the Comptroller of the Army.												
ACCOUNT		BUILDING IDENTIFICATION SECTION										
WOK 5AA		BUILDING NO.	DESIGNATION AND LOCATION									
STATION Rocky Mountain Arsenal Commerce City, Colorado		#515A	Nudrin Storage, Shell Leasehold (Shell Constructed)									
		STATION (If other than account)										
ITEM AND DESCRIPTION					INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)							
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT. (8)	BAL. (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)
1	Tank V-1216	12,000	Eaton		10-82	Inv.	1	1				
2	Tank T-1009	12,000	Eaton		10-82	Inv.	1	1				
3	Tank 1325	12,000	Eaton		10-82	Inv.	1	1				
4	Motor Shell BM-748	7.5 HP	Reliance		10-82	Inv.	1	1				
5	Pump/Centrifugal 1 x 1.5 P-1721	1-1/2 x 2 x 9	Gould		10-82	Inv.	1	1				
6	Motor BM-747	7.5 HP	Reliance		10-82	Inv.	1	1				
7	Pump P-1719	1x1-1/2 x 6	Gould		10-82	Inv.	1	1				
8	Motor BM-11012	5 HP	U.S. Electric		10-82	Inv.	1	1				
9	Pump P-1586	3x1-1/2 x 10	Worthington		10-82	Inv.	1	1				
10	Blower, Cent SN 506763	33	Trane		10-82	Inv.	1	1				
11	Motor	5 HP	Louis Allis		10-82	Inv.	1	1				

# RECORD OF EQUIPMENT IN PLACE (AR 735-26)

CARD NO. 1A

## BUILDING IDENTIFICATION SECTION

ACCOUNT WOK 5AA	BUILDING NO. #515A	DESIGNATION AND LOCATION Nudrin Storage, Shell Leasehold (Shell Constructed)
STATION (If other than account) Rocky Mountain Arsenal Commerce City, Colorado		

ITEM AND DESCRIPTION					INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)							
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT (8)	BAL (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)
12	Tank V1306 SN2742	212 gal	AM Steel & Iron		10-82	Inv.	1	1				
13	Pump, Cent P1945	2 x 3	Goulds		10-82	Inv.	1	1				
14	Motor 220/440	5 HP	Reliance		10-82	Inv.	1	1				
15	Chemical Holding Tank T-1579	200 gal.	Eaton		10-82	Inv.	1	1				
16												
17												
18												
19												
20												
21												
22												

BUILDING 534A  
GENERAL PURPOSE WAREHOUSE

GENERAL

Date of Property Inventory and Building Condition Survey:

15 October 1982

Survey Personnel:

Dave Wiarda, A.I.A., Gilbert/Commonwealth

Ken Carpenter, Gilbert/Commonwealth

Jerry Hurt, Gilbert/Commonwealth

Technical Assistance:

Simon Zevin, Shell Oil Company

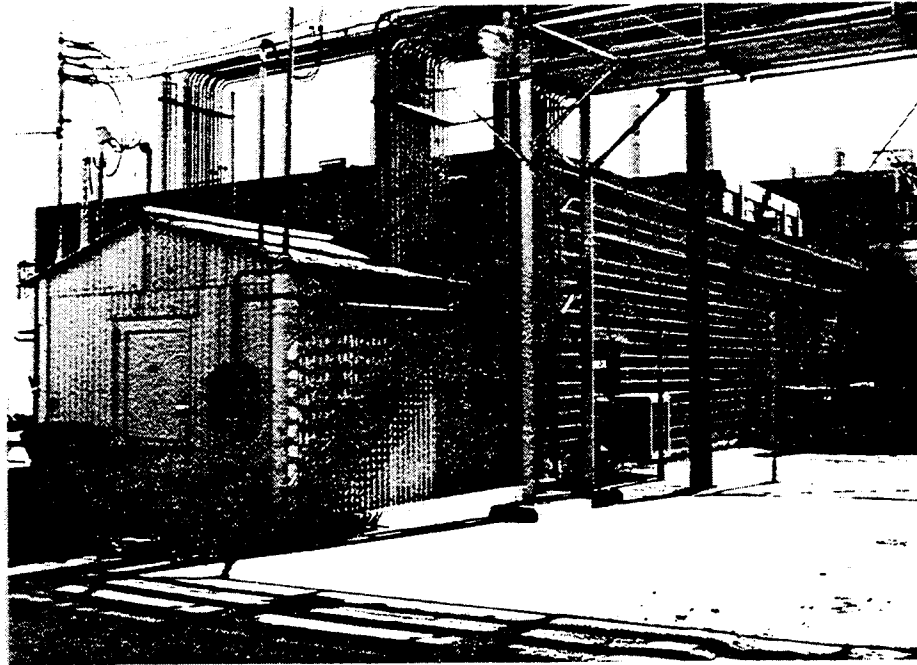
Photography:

Gary R. Smith, Harland Bartholomew & Associates, Inc.

Category Code (AR415-28):

44110

BUILDING 534A  
GENERAL PURPOSE WAREHOUSE  
Category Code 44110



Building 534A is a vacant single story 35' x 70' x 16'-3" high concrete block structure with a concrete floor and foundation. The wood frame flat roof is covered with built-up roofing with gravel. The interior of the building is partitioned by wood frame walls to form an office area and lunch room and storage areas. There is a 13'-4" x 15'-4" steel frame electrical vault with corrugated asbestos panel siding and gable roof adjoining the northwest end of the main building. The mechanical systems and utility piping are in fair condition. Building heat is by means of steam unit heaters, one of which is disconnected because of a bad coil, and a steam radiant panel. The plumbing system, electrical water cooler, service sink, and wash fountain are in fair to poor condition. All domestic water to the facility has been shut-off. The air dryer system appears to be still in operation and is in fair to good condition. This system consists of both electrical regeneration and desiccant units. This structure has no apparent fire protection. The office and lunch room areas were cooled by evaporative coolers which are in poor condition, missing motors and



BUILDING 534A  
GENERAL PURPOSE WAREHOUSE  
Category Code 44110

badly corroded. The 120/240 volt single phase power feeds a distribution panel which supplies power for lights and receptacles in the building. A separate 440 volt feed from Building 534C supplies power to an air dryer in the southwest corner of the building. Lighting is fluorescent in the office and lunchroom and incandescent in the remaining part of the building. The main building is in fair condition. The estimated useful life of the building from October 1982, with minimal maintenance and no building use change, is 10 years.

1. FACILITY NO. 534A		2. DESIGNATION Gen Purp Whse		3. CATEGORY CODE 44110		4. DESIGNED CAPACITY 2440		5. TOTAL AREA 2653			
6. UNIT OF MEASURE SF			7. DRAWING NO. YE-5707			8. MAP NO. N/A			9. <input type="checkbox"/> LEASED <input checked="" type="checkbox"/> OWNED LEASE NO.		
10. AIR CONDITIONING				16. FIRE PROTECTION				18. TYPE OF CONSTRUCTION			
a. TYPE See Item 21. Remarks				a. NUMBER 1				<input checked="" type="checkbox"/> PERM <input type="checkbox"/> SEMI-PERM <input type="checkbox"/> TEMP			
b. CAPACITY See Item 21.				b. TYPE Ext. Fire Exting.				19. BUILDING DIMENSIONS			
c. SQ YD AIR COND 295				17. MATERIALS				a. MAIN BLDG 35' x 70'			
11. HEATING				a. FOUNDATION Concrete				b. OFFSETS None			
a. SOURCE Unit Heater				b. FLOOR Concrete				c. WINGS 13'-4" x 15'			
b. FUEL Steam				c. WALLS Concrete Block				d. BASEMENT None			
12. HOT WATER FACILITIES				d. ROOF Built up Roof				e. ATTIC None			
a. CAPACITY None				e. SURFACE N/A				20. TYPE OF CARD			
b. TEMPERATURE RISE N/A				f. BASE N/A				<input checked="" type="checkbox"/> BLDG <input type="checkbox"/> MISC STR			
13. NO. USABLE FLOORS 1			14. OTHER MEASUREMENTS N/A			<input type="checkbox"/> UTIL DIST SYS <input type="checkbox"/> RAILROAD				<input type="checkbox"/> LAND <input type="checkbox"/> SURFACED AREAS	
15. UTILITY CONNECTIONS								21. REMARKS			
	NUMBER	SIZE	CAPACITY		Real Property Inventory October 1982 Value (Not Priced). Shell constructed building. For additional remarks, see back of page.						
a. WATER	1	1/2" Pot.									
b. SEWER	1	2"									
c. ELECTRICITY	2	480 240/120 600A, 225A									
d. GAS											
e. STEAM	1	1"									
f. CONDENSATE	1	3/4"									

DA FORM 2877  
1 NOV 64

REPLACES DA FORMS 5-46, 5-47, 5-49, 5-50,  
5-51, AND 5-52, WHICH ARE OBSOLETE.

REAL PROPERTY RECORD  
(AR 735-37)

U.S. GOVERNMENT PRINTING OFFICE: 1965-565-141/210

## 21. Remarks

### 10.a. 3 Evaporative Coolers

b. 2 @ 400 cfm 1 @ 200 cfm

15.c. Fed from Electrical Vault T.

21.a. 1982 Real Property Inventory does not include establishing cost of building or equipment for this Shell leasehold property. Establishing cost is not in scope of 1982 inventory work.

22.		COST DATA		
VOUCHER NO.	DATE COMPLETED	DESCRIPTION OF CHANGE	COST OF CHANGE	TOTAL COST
		Real Property Inventory		N.P.R.
		N.P.R. = No Previous Record		
	10/22/82	Real Property Inventory		
		For installed building equipment, see attached list.		
CATEGORY CODE	44110	DESIGNATION	Gen Purp Whse	FACILITY NO. 534A

BUILDING 534A

GENERAL PURPOSE WAREHOUSE

RECORD OF INSTALLED BUILDING EQUIPMENT

The following equipment was found during the 1982 inventory.

<u>Item</u>	<u>Quantity</u>	<u>Manufacturer</u>
Wash Fountain, semi-circular	1	Bradley
Water cooler, electric free standing	1	General Electric
Unit heater	2	American Blower
Panelboard, 120/240V, 100A 12 pos.	1	Young Electric Manufacturing Co.
Motor, 110V, single phase 1/4 h.p.	2	Dayton
Service sink, wall hung	1	American Standard
Evaporative cooler BA4043	1	Essick Mfg.
Evaporative Cooler, Roof mounted	1	

# RECORD OF EQUIPMENT IN PLACE

For use of this form, see AR 735-26; the proponent agency is the Office of the Comptroller of the Army.

CARD NO.

## BUILDING IDENTIFICATION SECTION

ACCOUNT WOK 5AA	BUILDING No. #534A	DESIGNATION AND LOCATION General Purpose Warehouse, Shell Leasehold (Shell Con
STATION Rocky Mountain Arsenal Commerce City, Colorado		STATION (If other than account)

ITEM AND DESCRIPTION					INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)							
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT. (8)	BAL. (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)
1	Utility Fan Set Model 1C791	1/4 HP	Dayton		10-82	Inv.	2	2				
2	Air Dryers Model GP-146-39		Dollinger		10-82	Inv.	2	2				
3	Air Dryers Model GP-108-15		Dollinger		10-82	Inv.	1	1				
4	Air Dryer PF-10		C.M. Kemp Mfg.		10-82	Inv.	2	2				
5	Air Dryer Elec. Regeneration		Unknown		10-82	Inv.	1	1				
6												
7												
8												
9												
10												
11												

BUILDING 534B

PLANAVAN MANUFACTURING BUILDING

GENERAL

Date of Property Inventory and Building Condition Survey:

15 October 1982

Survey Personnel:

Dave Wiarda, A.I.A., Gilbert/Commonwealth

John Adams, Gilbert/Commonwealth

Bob Zarate, Gilbert/Commonwealth

Technical Assistance:

Simon Zevin, Shell Oil Company

Photography:

Gary R. Smith, Harland Bartholomew & Associates, Inc.

Category Code (AR415-28):

22690

BUILDING 534B  
PLANAVAN MANUFACTURING BUILDING  
Category Code 22690



Building 534B is a three story 57'-6" x 72'-6" x 46' high steel frame structure with corrugated asbestos panel siding and twin gable roof. The building is a chemical processing facility which also encompasses the adjacent northeast tank farm and its associated tanker pumping stations. The structure has a concrete foundation and concrete floors. Each floor has had the northmost 14' partitioned. The building is vacant. The second floor has a toilet room and a lunch room at the south end and a control room at the north end. There is one interior stairway; one exterior stairway and three exterior ladders. The building is heated by 100 percent outside air, steam air handlers. The control room is heated and air conditioned by an air handling unit located in the ceiling. The building is ventilated through the use of a centrifugal blower located west of the building. There are no fire protection facilities for this building. The building's, associated sewage lines are not in use. 480 and 120/240 volt power is provided overhead in conduit from electrical vault "T" that is adjacent to Building

BUILDING 534B  
PLANAVAN MANUFACTURING BUILDING  
Category Code 22690

534B. Power is distributed to blower, motor and lighting loads in explosion proof electrical fixtures and to pump/mixer loads on the exterior of the building. A control room on the second floor contains indicating panels; however, much of this equipment has been removed. Lighting is incandescent and most of the electrical equipment has been removed. The electrical system is in fair condition and is shut off. The building is in fair to poor condition. The estimated useful life of the building from October 1982, with minimal maintenance and no building use change, is 10 years.



1. FACILITY NO. 534B		2. DESIGNATION Planavan Mfg		3. CATEGORY CODE 22690		4. DESIGNED CAPACITY 11101		5. TOTAL AREA 12507	
6. UNIT OF MEASURE SF		7. DRAWING NO. See Attached List		8. MAP NO. N/A		9. <input type="checkbox"/> LEASED <input checked="" type="checkbox"/> OWNED LEASE NO.			
10. AIR CONDITIONING			16. FIRE PROTECTION			18. TYPE OF CONSTRUCTION			
a. TYPE Air Handler			a. NUMBER None			<input checked="" type="checkbox"/> PERM <input type="checkbox"/> SEMI-PERM <input type="checkbox"/> TEMP			
b. CAPACITY 5 Ton			b. TYPE N/A			19. BUILDING DIMENSIONS			
c. SQ YD AIR COND 45			17. MATERIALS			a. MAIN BLDG 57'-6" x 72'-6"			
11. HEATING			a. FOUNDATION Concrete			b. OFFSETS None			
a. SOURCE Air Handler			b. FLOOR Concrete			c. WINGS None			
b. FUEL Steam			c. WALLS Corr. Asb. Pnl.			d. BASEMENT None			
12. HOT WATER FACILITIES			d. ROOF Corr. Asb. Pnl.			e. ATTIC None			
a. CAPACITY None			e. SURFACE N/A			20. TYPE OF CARD			
b. TEMPERATURE RISE N/A			f. BASE N/A			<input checked="" type="checkbox"/> BLDG <input type="checkbox"/> MISC STR			
13. NO. USABLE FLOORS 3		14. OTHER MEASUREMENTS N/A			<input type="checkbox"/> UTIL DIST SYS <input type="checkbox"/> RAILROAD				
					<input type="checkbox"/> LAND <input type="checkbox"/> SURFACED AREAS				
15. UTILITY CONNECTIONS					21. REMARKS Real Property Inventory October 1982 Value (Not Priced). Shell constructed building. For additional remarks, see back of page.				
	NUMBER	SIZE	CAPACITY						
a. WATER	2	3" Pot.	10" Proc.						
b. SEWER	1	4"							
c. ELECTRICITY	2	480 120/240V	600A, 223A						
d. GAS									
e. STEAM	1	4"							
f. CONDENSATE	1	2"							

DA FORM 2877  
1 NOV 64

REPLACES DA FORMS 5-46, 5-47, 5-49, 5-50,  
5-51, AND 5-52, WHICH ARE OBSOLETE.

REAL PROPERTY RECORD  
(AR 735-27)

U.S. GOVERNMENT PRINTING OFFICE: 1980-065-141/210

## 21. Remarks

15.c. Fed From Electrical Vault "T".

21.a.

1982 Real Property Inventory does not include establishing cost of building or equipment for this Shell leasehold property. Establishing cost is not in scope of 1982 inventory work.

[illegible]

BUILDING 534B

PLANAVAN MANUFACTURING BUILDING

RECORD OF INSTALLED BUILDING EQUIPMENT

The following equipment was found during the 1982 inventory:

<u>Item</u>	<u>Quantity</u>	<u>Manufacturer</u>
Toilet	1	
Urinal	1	
Air handler, 25,000 CFM	1	Buffalo
Air handler, 18,000 CFM	1	Buffalo
Blower	1	Trane
Heating, ventilating and Air conditioning unit	1	Wilkins

RECORD OF EQUIPMENT IN PLACE										CARD NO.	
For use of this form, see AR 735-26; the proponent agency is the Office of the Comptroller of the Army.										1	
BUILDING IDENTIFICATION SECTION											
ACCOUNT		BUILDING NO.	DESIGNATION AND LOCATION		INSTALLATIONS AND REMOVALS (Enter quantity to indicate removal)						
STATION		#534B	Planavan Mfg. Bldg., Shell Leasehold (Shell Const.)		DATE (6)	VOU. No (7)	QT. (8)	BAL (9)	VOU. No (11)	QT. (12)	BAL (13)
Rocky Mountain Arsenal Commerce City, Colorado		STATION (If other than account)		* and adjoining tank farm.							
ITEM AND DESCRIPTION											
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No (7)	QT. (8)	BAL (9)	VOU. No (11)	QT. (12)	BAL (13)
1	Exchanger Shell & Tube E1438	2'x8'			10-82	Inv.	1	1			
2	Tank SS 316 V1091	450 gal.	Shop		10-82	Inv.	1	1			
3	Separator, Nickel S1080	100 PSIG Shop			10-82	Inv.	1	1			
4	Separator, Steel S1081	18" x 6' Shop			10-82	Inv.	1	1			
5	Reactor with Mixer/Motor V1102 P.O. CC75169-w/d	2,000 gal.	Pfaudler		10-82	Inv.	1	1			
6	Blower/Motor DM12		Dayton		10-82	Inv.	1	1			
7	Tank SS POCC76521 T-1307	20,000 gal.	Shand & Jurs		10-82	Inv.	1	1			
8	Motor DM 504	50 HP	Louis Allis		10-82	Inv.	1	1			
9	Agitator M1070-2	20:9	Chemineer		10-82	Inv.	1	1			
10	Tank T-1394	20,000 gal.	Unknown		10-82	Inv.	1	1			
11	Tank T-1220	30,000 gal.	Sterling Tank and Steel		10-82	Inv.	1	1			

RECORD OF EQUIPMENT IN PLACE (AR 735-26)										CARD NO.	1A	
ACCOUNT		BUILDING IDENTIFICATION SECTION										
WOK 5AA		BUILDING NO. #534B	DESIGNATION AND LOCATION Planavan Mfg. Bldg., Shell Leasehold (Shell Const.)									
STATION Rocky Mountain Arsenal Commerce City, Colorado		STATION (If other than account) * and adjoining tank farm.										
ITEM AND DESCRIPTION					INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)							
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT (8)	BAL (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL (13)
12	Tank T1219	30,000 gal.	Sterling Tank and Steel		10-82	Inv.	1	1				
13	Motor DM 1035	10 HP	Allis		10-82	Inv.	1	1				
14	Motor DM 1034	10 HP	Allis		10-82	Inv.	1	1				
15	Pump Centrifugal P1313	3x2x10	Worthington		10-82	Inv.	1	1				
16	Pump Centrifugal P1657	3x2x10	Worthington		10-82	Inv.	1	1				
17	Tank T-1296	30,000 gal.	Longero		10-82	Inv.	1	1				
18	Centrifugal Fan S/N U2C22320 B-1102, DM-2012	60,600 CFM	Trane POCN 3108		10-82	Inv.	1	1				
19	Pump P-1316	51 HP 25 GPM	Worthington		10-82	Inv.	1	1				
20	Motor DM-366	3 HP	Louis Allis		10-82	Inv.	1	1				
21	Pump 1564		Dean		10-82	Inv.	1	1				
22	Motor DM-1032	3 HP	Louis Allis		10-82	Inv.	1	1				

RECORD OF EQUIPMENT IN PLACE										CARD NO.		
For use of this form, see AR 735-26; the proponent agency is the Office of the Comptroller of the Army.										2		
ACCOUNT		BUILDING IDENTIFICATION SECTION										
WOK 5AA		BUILDING NO. #534B		DESIGNATION AND LOCATION Planavan Mfg., Bldg., Shell Leasehold (Shell Const)								
STATION Rocky Mountain Arsenal Commerce City, Colorado		STATION (If other than account)		* and adjoining tank farm.								
ITEM AND DESCRIPTION				INSTALLATIONS AND REMOVALS (Enter quantity to indicate removal)								
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT. (8)	BAL. (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)
1	Cooling Tower A-1126	15,000 CFM	Argo Plastics		10-82	Inv.	1	1				
2	Tank w/Agitator T-1216 M-1061 WO 6356	5,750 gal.	Unknown/Carbon St.		10-82	Inv.	1	1				
3	Tank T-1283		Unknown		10-82	Inv.	1	1				
4	Pump P-1655	80 gpm 150 HP	Worthington		10-82	Inv.	1	1				
5	Motor DM-1029	10 HP	Unknown		10-82	Inv.	1	1				
6	Pump P-1105, Motor DM-118	1750 RPM 1 HP	Worthington		10-82	Inv.	1	1				
7	Motor DM 726	7-1/2 HP	U.S. Elect.		10-82	Inv.	1	1				
8	Pump Cent. P1481	3x1-1/2 x 8	Worthington		10-82	Inv.	1	1				
9	Tank Carbon Steel T-1267	2,900 gal.	Aubenders-on		10-82	Inv.	1	1				
10	Motor DM 567	5 HP	Allis		10-82	Inv.	1	1				
11	Pump, Cent P1315	3x1-1/2 x 8	Worthington		10-82	Inv.	1	1				

# RECORD OF EQUIPMENT IN PLACE (AR 735-26)

2A

CARD NO.

ACCOUNT	BUILDING IDENTIFICATION SECTION	
WOK 5AA	BUILDING NO. #534B	DESIGNATION AND LOCATION Planavan Mfg. Bldg., Shell Leasehold (Shell Const.)
STATION Rocky Mountain Arsenal Commerce City, Colorado	STATION (If other than account) * and adjoining tank farm.	

ITEM AND DESCRIPTION					INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)							
NO (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT (8)	BAL (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)
12	Pump P-1910	10 gpm 157' HP	Viking		10-82	Inv.	1	1				
13	Motor DM-3101				10-82	Inv.	1	1				
14												
15												
16												
17												
18												
19												
20												
21												
22												

BUILDING 724  
INCINERATOR/PRECIPITATOR BUILDING

GENERAL

Date of Property Inventory and Building Condition Survey:

29 October 1982

Survey Personnel:

Dave Wirada, A.I.A., Gilbert/Commonwealth

John Adams, Gilbert/Commonwealth

Bob Zarate, Gilbert/Commonwealth

Technical Assistance:

Domenic Moschetti, Shell Oil Company

Photography:

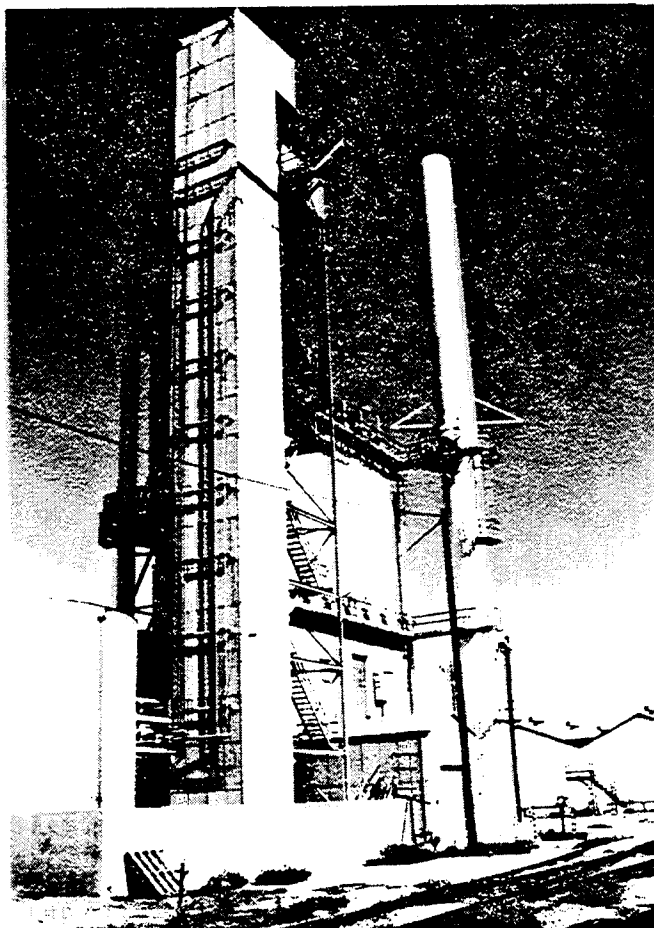
Gary R. Smith, Harland Bartholomew & Associates, Inc.

Category Code (AR415-28):

89090



FACILITY 724  
INCINERATOR/PRECIPITATOR BUILDING  
Category Code 89090



BUILDING 724  
INCINERATOR/PRECIPITATOR BUILDING  
Category Code 89090

Building 724 is a multiple story structure 19'-4" x 47'-9" x 74'-3" high. There is a 17'-9" x 36'-6" x 14'-7" high addition to the south side and a 13'-8" x 23'-9" x 14' high electrical vault on the north side. Adjacent to this main complex is a drive-through truck loading facility with a steel frame and corrugated asbestos panels and elevated metal grating walkways. Atop this enclosure is a 12'-8" x 15'-1" x 7'-6" steel frame structure with corrugated asbestos panel siding and gable roof. The building is used to house a gas and fuel oil incinerator and electrostatic precipitator. Area 724 also encompasses a storage tank facility west of the building. The building is not in use but is operational. There is an exterior elevator and stair tower that is 132'-6" high. The elevator tower is enclosed and has an enclosed machine room above. The stairway is unenclosed. There is an enclosed electrical control room one level below and opposite the elevator machine room. There is a 200' high stack adjacent to the main building with intermediate and upper grating platforms connected to the main structure. All structures are steel frame and all enclosed areas have corrugated asbestos panel siding and roofs. The building is heated by steam unit heaters and a 100 percent outside air, steam air handler. The air handler located on the north end of Building 724 is ducted into the building with exhaust louvers. Heat tracing is provided to support equipment located on the outside of the building. Fire protection is provided by fire extinguishers only. 480 and 120/240 volt power is provided overhead in conduit from Substation 575. Power is distributed to an electrical room containing 480 volt motor control centers, dry-type lighting transformers and control panels. There are several large motor/blower, conveyor and transformer loads associated with the precipitator process that are located in and adjacent to the building. Electrical fittings are generally of the corrosion resistant type and lighting is high-pressure sodium throughout the building. Power can also be provided from the emergency generator system for lighting and essential loads. The electrical system is in good condition and used only for lighting. The building is in good condition. The estimated useful life of the building from November 1982, with minimal maintenance and no building use change, is 15 years.

1. FACILITY NO. 724		2. DESIGNATION Incin/Precip		3. CATEGORY CODE 89090		4. DESIGNED CAPACITY 1503		5. TOTAL AREA 1717			
6. UNIT OF MEASURE SF			7. DRAWING NO. YE 12368-1			8. MAP NO. N/A			9. <input type="checkbox"/> LEASED <input checked="" type="checkbox"/> OWNED LEASE NO.		
10. AIR CONDITIONING				16. FIRE PROTECTION				18. TYPE OF CONSTRUCTION			
a. TYPE None				a. NUMBER 1				<input checked="" type="checkbox"/> PERM <input type="checkbox"/> SEMI-PERM <input type="checkbox"/> TEMP			
b. CAPACITY N/A				b. TYPE Fire Exting.				19. BUILDING DIMENSIONS			
c. SQ YD AIR COND N/A				17. MATERIALS				a. MAIN BLDG 19'-4" x 47'-9"			
11. HEATING				a. FOUNDATION Concrete				b. OFFSETS None			
a. SOURCE Air Hdlr., Unit Heat				b. FLOOR Concrete				c. WINGS See Item 21. Remarks			
b. FUEL Steam				c. WALLS Corr. Asb. Pnl.				d. BASEMENT None			
12. HOT WATER FACILITIES				d. ROOF Corr. Asb. Pnl.				e. ATTIC None			
a. CAPACITY None				e. SURFACE N/A				20. TYPE OF CARD			
b. TEMPERATURE RISE N/A				f. BASE N/A				<input checked="" type="checkbox"/> BLDG <input type="checkbox"/> MISC STR			
13. NO. USABLE FLOORS 1			14. OTHER MEASUREMENTS N/A			<input type="checkbox"/> UTIL DIST SYS <input type="checkbox"/> RAILROAD					
						<input type="checkbox"/> LAND <input type="checkbox"/> SURFACED AREAS					
15. UTILITY CONNECTIONS						21. REMARKS					
	NUMBER	SIZE	CAPACITY	Real Property Inventory October 1982 Value (Not Priced). Shell constructed building. For additional remarks, see back of page.							
a. WATER	2	1 1/2 Pot	2" Proc.								
b. SEWER	1	4"									
c. ELECTRICITY	1	480V 3ph.	800A								
d. GAS	1	2"									
e. STEAM	1	2"									
f. CONDENSATE	1	3/4"									

DA FORM 2877  
1 NOV 64

REPLACES DA FORMS 5-46, 5-47, 5-48, 5-50,  
5-51, AND 5-52, WHICH ARE OBSOLETE.

REAL PROPERTY RECORD  
(AR 735-27)

U.S. GOVERNMENT PRINTING OFFICE: 1965-068-161/210

## 21. Remarks

19.c. 17'-9" x 26'-6" x 14'-7" High Addition; Steel Frame w/ Corr.

Asb. Panel

13'-8" x 23'-9" x 14'-0" High Elect Vault; Steel Frame w/ Corr.

Asb. Panel

11'-6" x 11'-10" x 132'-6" High Elevator Tower; Steel Frame w/  
Corr. Asb. Panel

24'-8" x 31'-2" Open w/ Elevated Grating Walkways 19'-7" Above Grade

12'-8" x 15'-1" x 7'-6" Elevated 33'-9" Corr. Asb. Panel

1982 Real Property Inventory does not include establishing cost of building or equipment for this Shell leasehold property. Establishing cost is not in scope of work.

[illegible]

# BUILDING 724

## INCINERATOR/PRECIPITATOR BUILDING

### RECORD OF INSTALLED BUILDING EQUIPMENT

The following equipment was found during the 1982 inventory.

<u>Item</u>	<u>Quantity</u>	<u>Manufacturer</u>
Aggolmeter control panel	1	
Emergency Eyewash station	2	
Tank, 54" x 9'-8"	1	General Welding
Heat exchanger, 8" x 192"	1	Exc Repair Service
Blower, Centrifugal	1	Plastic Blower Co.
Heater, unit	1	Trane
Motor, 3 h.p., 220/440V	1	U.S. Electric
Pump, Centrifugal, 1-1/2"	1	Worthington
Motor, 220/440V	1	
Pump Centrifugal, 1-1/2" x 1"	1	
Vibrator	1	
Motor & Fan	1	
Vane pump & Motor	1	
Cannon, air	6	Martin Air Blaster
Motor, 7.5 h.p., 220/440V	1	Westinghouse
Blower	1	
Filter, Dust collection	5	American Air Filter Co.
Relay panel	1	
Tranformer, 480 - 120/208V, 30 KVA	1	General Electric
Unit heater, 4 KW	1	Chromalox

BUILDING 724  
INCINERATOR/PRECIPITATOR BUILDING  
(Continued)

<u>Item</u>	<u>Quantity</u>	<u>Manufacturer</u>
Variable speed drive	1	Reliance
Motor control center, 8 section 800A, 480/v	1	Allen Bradley
Transformer, 480 - 120/208V 30 KVA	1	Westinghouse
Transformer, 9 KVA	1	Jefferson
Panel, indicating, heat trace	1	
Motor	1	
Incinerator, F-20	1	J. Zink
Elevator, 3000 lb.	1	
Air handling unit	1	Hartzell
Conveyor	1	Buckett Elevator Co.
Loading System (DA1377)	1	
Loading System (DA1388)	1	
Filter, Dust Collection (A-1367)	1	
Filter, Dust Collection (A-1368)	1	
Stack	1	
Motor, 25 h.p.	1	Reliance
Blower, Centrifugal 21.5"	1	Buffalo
Pump, condensate, 1.5 x 2 x 7	1	Union Pump Co.
Motor, 75 h.p.	1	Reliance
Fan, Centrifugal	1	
Motor, 200 h.p.	1	Reliance

BUILDING 724

INCINERATOR/PRECIPITATOR BUILDING  
(Continued)

<u>Item</u>	<u>Quantity</u>	<u>Manufacturer</u>
Fan, Centrifugal, size 890	1	Buffalo
Salt dryer	1	
Motor	1	
Trans/Rectifier, 52 KVA 480 VAC 45 KVDC	6	NWC
Tank, 126,882 gal., steel	1	General American Transport Corp.
Exchanger	2	
Filter, Dust Collection, (A-1371)	1	
Solids handling system control cabinet	1	
Motor, 3 h.p.	1	Reliance

BUILDING 727

FACILITIES ENGINEER MAINTENANCE SHOP

GENERAL

Date of Property Inventory and Building Condition Survey:

28 October 1982

Survey Personnel:

Dave Wiarda, A.I.A., Gilbert/Commonwealth

Ken Carpenter, Gilbert/Commonwealth

Jerry Hurt, Gilbert/Commonwealth

Technical Assistance:

Domenic Moschetti, Shell Oil Company

Photography:

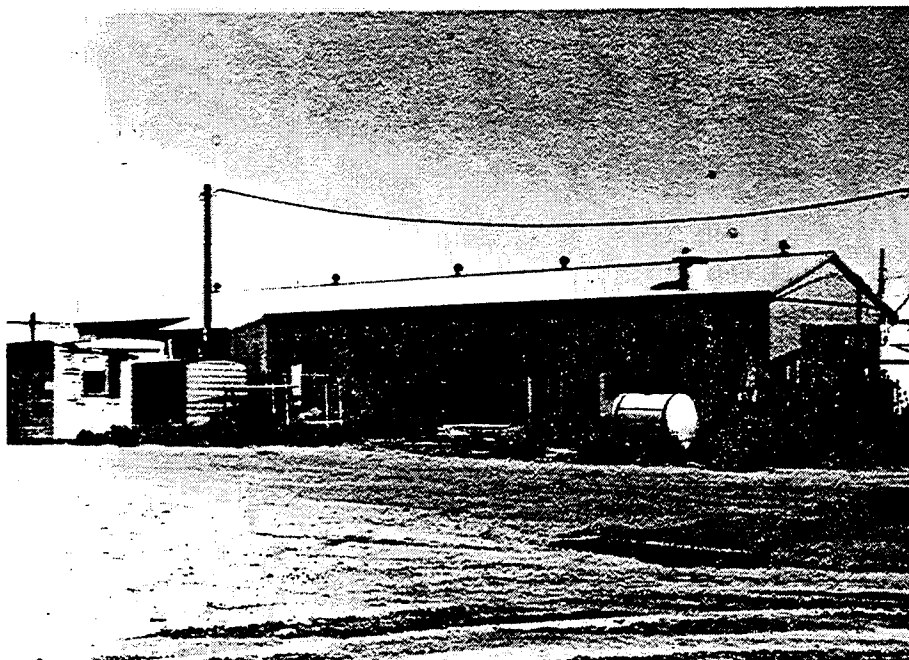
Gary R. Smith, Harland Bartholomew & Associates, Inc.

Category Code (AR415-28):

21910



BUILDING 727  
FACILITIES ENGINEER MAINTENANCE SHOP  
Category Code 21910



Building 727 is a single story 28'-2" x 120'-2" x 14' high structure with a concrete foundation and floor and a five foot wide concrete walkway along the east side. The steel frame structure has flat metal siding and a standing seam metal gable roof. The interior is partitioned into a paint shop, a carpenter shop, two bays of truck storage, an electrical shop, an office and a lunchroom. There are three structures adjacent to the main building. The first structure is 8' x 24'-9" x 9' high, has a metal frame and metal siding with a gable roof and a concrete floor and foundation. The other two structures are mobile trailers, one 8' x 32'-2" x 9'-6" high being used as a change house and toilet room, and the second 10' x 52'-3" x 11'-4" high being used as offices. The trailers are in very good condition and the storage shed is in fair condition. The building is heated by steam unit heaters and radiation. One shop area and the office/lunchroom are cooled by evaporative coolers. Both units are operative but in poor physical condition. Steam piping and utility piping are in good condition and operable. The potable water en-

BUILDING 727  
FACILITIES ENGINEER MAINTENANCE SHOP  
Category Code 21910

trance for the facility is in the southeast corner of the building with steam and condensate entrance being in the northeast corner of the building. A single 480 volt service from Substation 727 is divided at the service entrance and it feeds two load centers, one of which provides a sub feed to a lunchroom. Main use of power is for power tools in the carpenter shop and paint shop, air handling systems, and building lights. The lights are a mixture of incandescent and fluorescent. The entire electrical system appears to be in good condition and is in everyday use. The building is in good condition. The estimated useful life of the building from November 1982, with minimal maintenance and no building use change, is 15 years.

1. FACILITY NO. 727		2. DESIGNATION F E Maint Bldg		3. CATEGORY CODE 21910		4. DESIGNED CAPACITY 3176		5. TOTAL AREA 3484	
6. UNIT OF MEASURE SF			7. DRAWING NO. YE 11205-1			8. MAP NO. N/A		9. <input type="checkbox"/> LEASED <input checked="" type="checkbox"/> OWNED LEASE NO.	
10. AIR CONDITIONING				16. FIRE PROTECTION				18. TYPE OF CONSTRUCTION	
a. TYPE Evaporative Coolers				a. NUMBER 1				<input checked="" type="checkbox"/> PERM <input type="checkbox"/> SEMI-PERM <input type="checkbox"/> TEMP	
b. CAPACITY 400 Cfm & 1000 Cfm				b. TYPE Exting.				19. BUILDING DIMENSIONS	
c. SQ YD AIR COND 37				17. MATERIALS				a. MAIN BLDG 28'-2" x 120'-2"	
11. HEATING				a. FOUNDATION Concrete				b. OFFSETS None	
a. SOURCE Unit Htr./Radiation				b. FLOOR Concrete				c. WINGS See Item 21. Remarks	
b. FUEL Steam				c. WALLS Corr. Mtl. Siding				d. BASEMENT None	
12. HOT WATER FACILITIES				d. ROOF Profiled Mtl. Pnl.				e. ATTIC None	
a. CAPACITY 10 Gal. & 6 Gal.				e. SURFACE N/A				20. TYPE OF CARD	
b. TEMPERATURE RISE 100°				f. BASE N/A					
13. NO. USABLE FLOORS 1			14. OTHER MEASUREMENTS N/A						
15. UTILITY CONNECTIONS				21. REMARKS Real Property Inventory October 1982 Value (Not Priced). Shell constructed building. For additional remarks, see back of page.					
	NUMBER	SIZE	CAPACITY						
a. WATER	1	1 1/2"							
b. SEWER	1	4"							
c. ELECTRICITY	1	480v	100A						
d. GAS									
e. STEAM	1	2"							
f. CONDENSATE	1	1"							

DA FORM 2877  
1 NOV 64

REPLACES DA FORMS 5-46, 5-47, 5-49, 5-50,  
5-51, AND 5-52, WHICH ARE OBSOLETE.

REAL PROPERTY RECORD  
(AR 735-27)

☆ U.S. GOVERNMENT PRINTING OFFICE: 1960-605-141/219

## 21. Remarks

19.c. Two adjacent mobile trailers

- 1) 8'-0" x 32'-2" x 9'-6" High; Change House and Toilet Area; 257 SF
- 2) 10'-0" x 52'-3" x 11'-4" High; Offices; 522 SF

Both interconnected by a 3'-0" wide x 3'-0" long enclosed corridor.

**Total: 779 Square Feet**

- 3) 6'-2" x 15'-2" Addition at West Side of Structure; 94 SF

21.a.

1982 Real Property Inventory does not include establishing cost of building or equipment for this Shell leasehold property. Establishing cost is not in scope of 1982 inventory work.

[illegible]

# BUILDING 727

## FACILITIES ENGINEER MAINTENANCE SHOP

### RECORD OF INSTALLED BUILDING EQUIPMENT

The following equipment was found during the 1982 inventory:

<u>Item</u>	<u>Quantity</u>	<u>Manufacturer</u>
Urinal, wall hung	1	Crane
Lavatory	1	Crane
Water heater, 1500 W, 10 gal.	1	Dayton
Water cooler	2	General Electric
Motor (for band saw)	1	
Motor, 5 h.p., 480/208-120V	2	Howell
Unit heater, Model P-CU	1	Trane
Transformer, 460/230 - 230/115 10 KVA	1	General Electric
Panelboard, 16 pos., Type QO	11	Square D
Panelboard, 2 pos., Type QD		Square D
Panelboard, 16 pos.	1	ITE
Transformer, 480-120/240V, 25 KVA	1	Square D
Circuit breaker	1	ITE
Safety switch, 3 pole, 30 A	1	ITE
Panelboard, 24 pos., Type WEQ	1	ITE
Starter, motor	1	Allen Bradley
Unit heater	4	Trane
Lavatory	1	Kohler
Waterheater 1650W, 6 gal	1	Dayton

BUILDING 727

FACILITIES ENGINEER MAINTENANCE SHOP  
(Continued)

<u>Item</u>	<u>Quantity</u>	<u>Manufacturer</u>
Safety Switch, NFR-351, 30A	1	ITE
Transformer, Type EP, 15 KVA	1	Westinghouse
Evaporative Cooler, 400 cfm	1	

# RECORD OF EQUIPMENT IN PLACE

For use of this form, see AR 735-26; the proponent agency is the Office of the Comptroller of the Army.

CARD No.

1

ACCOUNT		BUILDING NO.		DESIGNATION AND LOCATION		BUILDING IDENTIFICATION SECTION						
WOK 5AA		#727		Fac. Engr. Maint. Shop, Shell Leasehold (Shell Const								
STATION Rocky Mountain Arsenal Commerce City, Colorado		STATION (If other than account)										
ITEM AND DESCRIPTION						INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)						
No (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT. (8)	BAL. (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)
1	Pedestal Grinder 115V 1Ø B-23	1/3 HP	Black & Decker		10-82	Inv.	1	1				
2	Band Saw UC 3011 Motor C-20		Walker Turner		10-82	Inv.	1	1				
3	Drill Press-Pedestal 104-5566 UC 3003	1/2 HP 115V 208/240	Delta		10-82	Inv.	1	1				
4	Sander Model 30 65-5653-3 (Motor 1-36) VC 3019 Type KF	1.5V 10 1 HP	Powermatic		10-82	Inv.	1	1				
5	Jointer UC 3002 Model MJ62M650CW HC-21	1/2 HP 115 10 230	Delta		10-82	Inv.	1	1				
6	Table Saw UC 3001	1-1/2 440V 1C18	Delta		10-82	Inv.	1	1				
7	Oven Shell 2031		Temco		10-82	Inv.	1	1				
8	Control for Oven		Assembly Prod. Inc.		10-82	Inv.	1	1				
9	Exhaust Fan	24"	Buffalo		10-82	Inv.	1	1				
10	Pedestal Sander 335A-PKV 24459		Toolcraft		10-82	Inv.	1	1				
11	Motor 115/230V 1Ø 5K458B	3/4 HP	Dayton		10-82	Inv.	1	1				

# RECORD OF EQUIPMENT IN PLACE

(AR 733-26)

CARD NO.

IA

ACCOUNT		BUILDING IDENTIFICATION SECTION				INSTALLATIONS AND REMOVALS (Encircle quantity to indicate removal)									
WOK 5AA		BUILDING NO. #727		DESIGNATION AND LOCATION Fac. Engr. Maint. Shop, Shell Leasehold (Shell Cons)											
STATION Rocky Mountain Arsenal Commerce City, Colorado		STATION (If other than account)													
ITEM AND DESCRIPTION															
No (1)	ARTICLE, TYPE, AND MODEL (2)	SIZE (3)	NAME OF MANUFACTURER (4)	UNIT VALUE (5)	DATE (6)	VOU. No. (7)	QT (8)	BAL. (9)	DATE (10)	VOU. No. (11)	QT. (12)	BAL. (13)			
12	Pedestal Buffer 115/230V 1Ø 4K783N	3/4 HP	Dayton		10-82	Inv.	1	1							
13	Grinder-Bench SCD-UG6018 & SDC 337	1/3 HP	Thor		10-82	Inv.	1	1							
14	Drill Press-Bench Model 15-017 Serial # 1428836		Rockwell		10-82	Inv.	1	1							
15															
16															
17															
18															
19															
20															
21															
22															